

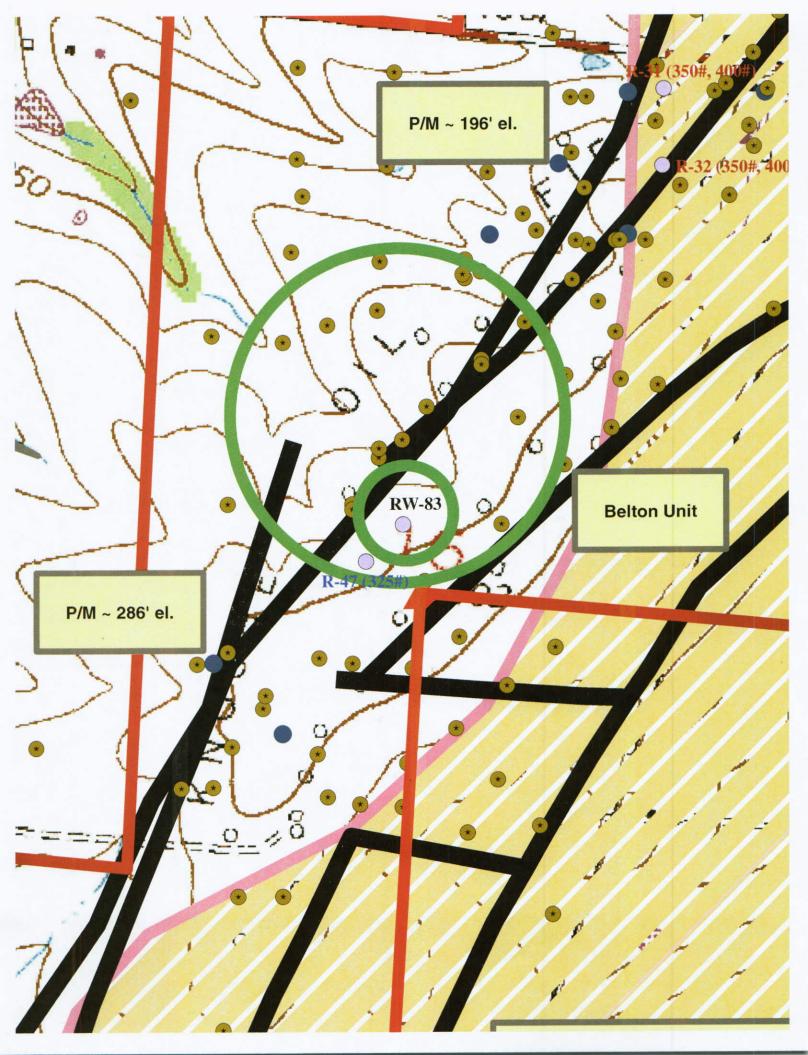
STATE OF MISSOURI MISSOURI DEPARTMENT OF NATURAL RESOURCES GEOLOGICAL SURVEY PROGRAM

## INJECTION WELL PERMIT APPLICATION

(TO DRILL, DEEPEN, PLUG BACK, OR CONVERT AN EXISTING WELL)

NOTE ▶	Permit approval for creviewed and official	Irilling only, not inject notification given.	tion. Approval	or denial for i	injection	determined	l after Mechai	nical Integr	ity Test re	esults
☑ APPLIC	CATION TO DRILL	☐ DEEPEN	☐ PLUC	BACK	☐ F	OR AN O	IL WELL	OR	GAS W	/ELL
The state of the s	PANY OR OPERATOR	D 1 110					DATE	/2012		
ADDRESS	ource Exploration &	Development, LLC		CITY			STATE	3/2012 ZIP	CODE	
	th Street, Suite 500		1	Overland P	ark		KS	200000	210	
DESCRIPT	ION OF WELL AND	LEASE	BUT SIN							
NAME OF LEAS				WELL NUMBER	?		1096'	TION (GROUN	ND	
Belton Unit	N /		(GIVE FOOTAGE		ON LINES)		1096			
	3107	ft. from North Z S	South section line	2778	ft. from	✓ East	West section	line		
WELL LOCATIO				LATITUDE /	L	ONGITUDE	COUNT			
The second second	ownship 46 North		st 🔽 west	38 48' 38.75		94 34' 36.8	Cass	03+		
		ED LOCATION TO PROF						V12	SPEC	OJECT
PROPOSED DE	OM PROPOSED LOCAT	ION TO NEAREST DRILL	ING, COMPLETE	D OR APPLIE	D – FOR	WELL ON TH	HE SAME LEAS	APPROX. D		WILL STAR
650 feet 4		Utah Oil, L						08/20/20	)12	
NUMBER OF AC	DEC MILENOE	R OF WELLS ON LEASE	INCLUDING THIS	WELL COM	PLETED	IN OR DRILL	ING TO THIS F	RESERVOIR	124	
560		R OF ABANDONED WEL								
IE I EASE DI IE		MORE WELLS DRILLED		URCHASED?	,		NO. OF WELLS	S PROI	DUCING	71
NAME DE E		WELLO DIVILLE	o, i rediii wi idiii i	ONOT PROED.				INJ	ECTION	44
ADDRESS 4595 Highway K33, Wellsville, KS 66092							IN	ACTIVE	8	
ADDRESS _	ighway 100, v	ABP					DONED	0		
STAT	US OF BOND	SINGLE WELL AMOUNT \$	LL BLANKET BOND AMOUNT \$ 160,000  CK, BRIEFLY DESCRIBE WORK TO BE DONE, GIVING PRESENT PROL			0/	✓ ON FILE  □ ATTACHED			
						0.000	0.05.50.150.1	IN DV CTAT	5 0501 0	CICT
AMOUNT		ASING PROGRAM WT/FT	CEM.	AMOU	V COM	SIZE	O BE FILLED I	WT/FT	E GEOLO	CEM.
AMOUNT 20'	SIZE 7"	14	8 sks	70		7"		14	CIL	1 1
650'	2 7/8"	6.5	100 sks	650		738	,	6.5	Foll	tengt
report, and complete to	rsigned, state that I a that this report was the best of my know	am the <u>COO</u> of the prepared under my wledge.	KREd (Com supervision an	pany), and d direction	that I a and tha	m authoriz at the facts	stated there	company t ein are tru	to make e, correc	this ct, and
SIGNATURE PERMIT NUMBE	5K		10/10/1a							
	0997		DRILLER'S LOC			3.45 mm	E-LOGS REQU			
APPROVED DA	E		CORE ANALYS  SAMPLES REQ		IF RUN		DRILL SYSTEM	TESTINFO	REQUIRE	ED IF RUN
	12-20-	10	SAMPLES REQ							
ABPROVEDBY	1	10.10	WATER SAMPL		DAT					
102	0 10 0	T TRANSFERABLE	TO ANY OTH	ER DERSO	N OR	TO ANY O	THERLOC	ATION	APPROV	/AL OF
NOTE ▶	THIS PERMIT BY	THE OIL AND GAS PROPOSED WELL	COUNCIL DO	ES NOT C	ONSTI	TUTE END	ORSEMEN	IT OF THE	E GEOL	OGIC
MO 780-0212 (6		TWO (2) COPIES TO: GEOL								1-16

ONE (1) COPY WILL BE RETURNED. Leech of the Utah (Company), confirm that an approved drilling permit has been obtained by the owner of this well. Council approval of this permit will be shown on this form by presence of a permit number and signature of authorized council representative. DRILLER'S SIGNATURE PROPOSED OPERATIONS DATA PROPOSED AVERAGE DAILY INJECTION PRESSURE 300 PSIG, RATE .035 VOLUME 50 APPROVED AVERAGE DAILY INJECTION. (TO BE FILLED IN BY STATE GEOLOGIST) PRESSURE 300 PSIG. RATE . 035 BPD/GPM. VOLUME 56 BBL/GAL PROPOSED MAXIMUM DAILY INJECTION, PRESSURE 300 PSIG, RATE VOLUME 50 BBLIGAL APPROVED MAXIMUM DAILY INJECTION. (TO BE FILLED IN BY STATE GEOLOGIST) PRESSURE 500 PSIG, RATE . OS BPD/GPM, VOLUME ESTIMATED FRACTURE PRESSURE GRADIENT OF INJECTION ZONE 0.43 PSI/FOOT BBL/GAL DESCRIBE THE SOURCE OF THE INJECTION FLUID Squirrel sandstone produced water and rural water SUBMIT AN APPROPRIATE ANALYSIS OF THE INJECTION FLUID. (SUBMIT ON SEPARATE SHEET) NOTE > DESCRIBE THE COMPATIBILITY OF THE PROPOSED INJECTION FLUID WITH THAT OF THE RECEIVING FORMATIONS, INCLUDIUNG TOTAL DISSOLVED We have been using these injection fluids since the waterflood began with no issues. The formations respond to injection fluids. The injection fluids consist of recycled formation water and fresh water. GIVE AN ACCURATE DESCRIPTION OF THE INJECTION ZONE INCLUDING LITHOLOGIC DESCRIPTIONS, GEOLOGIC NAME, THICKNESS, DEPTH, POROSITY, The upper, middle, and lower Squirrel Sandstone depth ranges from 500-600 feet with an average thickness of 90 feet. The upper Squirrel is generally 30 feet thick with 21% average porosity and 172 millidarcy's average permeability. The middle Squirrel is generally 20 feet thick with 22% average porosity and 1,000 millidarcy's average permeability. The lower Squirrel is generally 40 feet thick with 20.5% average porosity and 593 millidarcy's average permeability. GIVE AN ACCURATE DESCRIPTION OF THE CONFINING ZONES INCLUDING LITHOLOGIC DESCRIPTION, GEOLOGIC NAME, THICKNESS, DEPTH, POROSITY, The confining layers of the Squirrel Sandstone consist of the the Fort Scott group above the sandstone and the Verdigris formation below the sandstone. The Fort Scott contains two prominent shales, the Blackwater Creek and the Excello, as well as the Blackjack Creek limestone that has a total thickness of 30-50 feet. The Verdigris formation consists of the the Ardmore limestone member and the Oakley shale with a total thickness of 20-40 feet. The zones are impermeable at less than 3% porosity. SUBMIT ALL AVAILABLE LOGGING AND TESTING DATA ON THE WELL GIVE A DETAILED DESCRIPTION OF ANY WELL NEEDING CORRECTIVE ACTION THAT PENETRATES THE INJECTION ZONE IN THE AREA OF REVIEW (1/2 MILE RADIUS AROUND WELL). INCLUDE THE REASON FOR AND PROPOSED CORRECTIVE ACTION. No corrective action needed.





STATE OF MISSOURI MISSOURI DEPARTMENT OF NATURAL RESOURCES GEOLOGICAL SURVEY PROGRAM

FORM OGC-41

AUG 06 2012 INJECTION WELL LOCATION PLAT

OWNER'S NAME		Mo Oil & Gas Council
Kansas Resource Exploration & Develo	pment, LLC (K.R.E.D)	
LEASE NAME		COUNTY
Belton Unit - RW-83	(GIVE FOOTAGE FROM	
	orth 🗸 South section line	2778 ft. from ☑East ☐West section line
WELL LOCATION	orth V South Section line	It. Hom West section line
Sec. 16 Township 46 North Rang	e <u>33</u> ☐ East ☑ We	st
N38° 48' 38.756" /		W94° 34' 36.814" ✓
REMARKS Section 16 is an irregular section and la	arger than one square mile	Belton Unit  proset  Bos  Clavic-Berry  31071
Plat Map Scale - 1 Square = 682.25 fee	1	
On the above plat, show distance of th two nearest section lines, the nearest I nearest well on the same lease complesame reservoir. Do not confuse surve See rule 10 CSR 50-2.030 for survey must be marked.	e proposed well from the lease line, and from the eted in or drilling to the y lines with lease lines.	This is to certify that I have executed a survey to accurately locate oil and gas wells in accordance with 10 CSR 50-2.030 and that the results are correctly shown on the above plat.
REGISTERED LAND SURVEY		NUMBER



## Missouri Department of Natural Resources

Geographic Information Systems





## Check Location

Select a coordinate format, enter a pair of coordinates in the boxes below it, and then press the SUBMIT button. Please be patient while your information is retrieved. Your coordinates will be converted to the other formats, the information on the right-hand side of the page will be filled in based on your coordinates, and a map will be generated. NOTE: All coordinates must use the North American Datum of 1983 (NAD83).

Submit

 Universal Transverse Mercator [Zone 15 North]

Easting

363087.3761937584

meters

Northing

4296958.37154076

meters

**Decimal Degrees** 

Latitude

38.810765555555555

Longitude

-94.5768927777777

Degrees, Minutes and Seconds

Latitude Degrees

38

Latitude Minutes

48

Latitude Seconds

38.756

Longitude Degrees

Longitude Minutes

Longitude Seconds

36.814

## Metadata

- · Interstate Highways
- US Highways
- State Highways
- · Railroad
- · Major and Minor Roads
- · County Boundary
- Major Rivers
- · Rivers and Streams
- Missouri River
- · Mississippi River
- Municipal

UTM Zone 15N [Easting, Northing]

Decimal Degrees [Lat, Lon]

Deg, Min, Sec [Lat, Lon]

**County Name** 

**County FIPS Code** Legal Description

Municipality **House District** 

**Senate District Congressional District** 

**MoDNR Region** 

USGS 1:24,000 Quadrangle

8 Digit Watershed 10 Digit Watershed

12 Digit Watershed

Special Well Drilling Area **Ecological Drainage Unit** 

> Level III Ecoregion **Query Time**

[ 363087.3, 4296958.3 ] meters

[38.810765°, -94.576893°]

[ 38° 48' 38.7", -94° 34' 36.8" ]

037

Section 16 T46N R33W

NO VALUE

123 31

Kansas City Regional Office

Belton [38094-G5]

10300101 [Lower Missouri-Crooked]

1030010101 [Blue River]

103001010104 [Camp Branch-Blue River]

Area 2

Central Plains/Blackwater/Lamine

Central Irregular Plains

6.125 s

Rows with red text indicate that the input location is too close to a boundary to produce

NOTE: A result of 'NO VALUE' is usually an indication that no data was found for the location. For example, not every point in Missouri will lie within a municipal boundary, so some will result in a 'NO VALUE'. If 'County Name' results in 'NO VALUE', your point probably lies outside the state

Well ID: \$205390

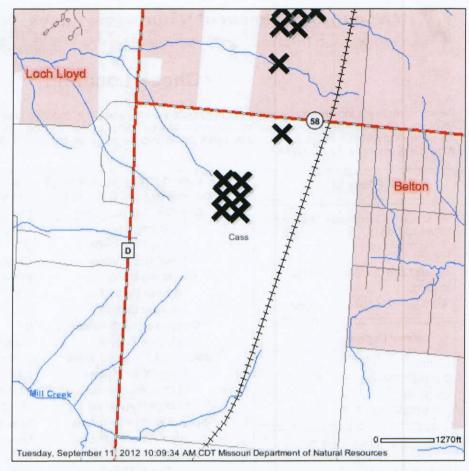
Pc-M= 345

Well ID: #026255 in lease

P.:535 TD

1096-535-345 PM ~216 elev.





View Scale 1:24,000

DISCLAIMER: Although this map has been compiled by the Missouri Department of Natural Resources, no warranty, expressed or implied, is made by the department as to the data and related materials. The act of distribution shall not constitute any such warranty, and no responsibility is assumed by the department in the use of these data or related materials.



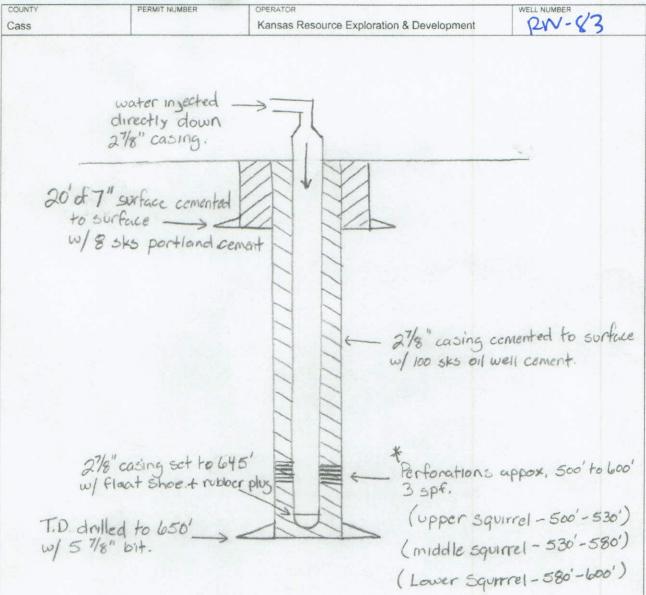
P.O. Box 176, Jefferson City, MO 65102 800-361-4827 / 573-751-3443 E-mail: contact@dnr.mo.gov



STATE OF MISSOURI MISSOURI DEPARTMENT OF NATURAL RESOURCES GEOLOGICAL SURVEY PROGRAM

INJECTION WELL SCHEMATIC

OGC-11



INSTRUCTIONS ON THE ABOVE SPACE DRAW A NEAT, ACCURATE SCHEMATIC DIAGRAM OF THE APPLICANT INJECTION WELL, INCUDING THE FOLLOWING: CONFIGURATION OF WELLHEAD, TOTAL DEPTH OR PLUG BACK TOTAL DEPTH, DEPTH OF ALL INJECTION OR DISPOSAL INTERVALS, AND THEIR FORMATION NAMES, LITHOLOGY OF ALL FORMATIONS PENETRATED, DEPTHS OF THE TOPS AND BOTTOMS OF ALL CASING AND TUBING, SIZE AND GRADE OF ALL CASING AND TUBING, AND THE TYPE AND DEPTH OF PACKER, DEPTH, LOCATION, AND TYPE OF ALL CEMENT, DEPTH OF ALL PERFORATIONS AND SQUEEZE JOBS, AND GEOLOGIC NAME AND DEPTH TO BOTTOM OF ALL UNDERGROUND SOURCES OF DRINKING WATER WHICH MAY BE AFFECTED BY THE INJECTION. USE BACK IF ADDITIONAL SPACE IS NEEDED, OR ATTACH SHEET.

The surface casing is 7" in diameter and is new, limited service grade pipe. The 7" is drifted and tested to 7,000 lbs. and weighs at least 17 lbs. per foot. The surface casing will be set to a minimum depth of 20 feet and extend 6 inches above the surface. Approximately 8 sacks of Portland cement will be circulated to surface and will secure the well and ensure the contents of the well bore are sealed off from sources of drinking water. The production casing used is 2 7/8" EUE upset, drifted and tested to 7,000 lbs. No tubing will be ran in the injection wells, the injection fluid will be injected directly down the 2 7/8" casing. The total depth of the well will be approximately 650 feet drilled with a 5 5/8" bit. A 2 7/8" flapper type float shoe will be set at the base of the 2 7/8" casing pipe (645 feet) with centralizers installed to center the casing inside the well bore for better cement bonding. The 2 7/8" casing will be cemented from 650 feet to surface using a 2 7/8" rubber plug for displacing the cement. Approximately 100 sacks of high-grade Oil Well cement will be used to cement all wells. This cement will ensure that no contents of the pipe will leave the well bore. The top of the 2 7/8" casing will extend approximately one foot above ground level. After the cement has cured and effectively bonded to the 2 7/8" casing, perforations will be made in the Squirrel Sandstone formation from approximately 500-600 feet, depending on where the oil sand is present at this particular location. Wells will be shot with 3 perforations per foot where the squirrel sandstone oil reservoir is present and capable of water injection. No water sources are present at this depth and will not be affected by these perforations or the injection. The relevant sources of drinking water are located less than 20 feet below surface. The 7" surface pipe and durable Portland cement ensures these water sources will remain free from contamination from drilling and injection activity. Other sources of potential usable water may be present, however not always potable, in the Pennsylvanian and Mississippian formations located approximately 150 feet or deeper below the base of the Squirrel Sandstone.

The lithology of all formations penetrated by the wellbore are as follows:

Formation	Total Depth (feet)
Soil	0-2
Clay	2-6
Lime	6 – 28
Shale	28 – 49
Lime	49 – 64
Shale	64 – 69
Red Bed	69 – 78
Shale	78 – 82

Lime	82 – 87	
Shale	87 – 105	
Gray Sand	105 – 124	
Shale	124 – 128	
Lime	128 – 130	
Shale	130 - 147	
Lime	147 – 177	
Shale (Slate 183 – 184)	177 – 186	
Lime	186 – 204	
Shale (Slate 207 – 208)	204 – 209	
Lime	209 – 211	
Shale	211 – 214	
Lime "Hertha"	214 – 220	Top Pawnee Limestone
Shale	220 – 259	
Lime	259 – 260	,
Gray Sand "Knobtown"	260 – 262	
Shale	262 – 324	
Gray Sand	324 – 329	
Shale	329 – 358	
Gray Sand	358 – 362	Base Pawnee Limestone
Shale	362 – 399	Top Labette Shale
Lime	399 – 401	
Shale	401 – 404	
Lime	404 – 406	
Shale (Slate 411 – 412)	406 – 417	
Lime	417 – 424	
Shale	424 – 427	
Gray Sand	427 – 431	Base Labette Shale

Shala		
Shale	431 – 443	Top Fort Scott
Lime	443 – 448	· BlackJack Creek Limestone
Shale (Slate 452 – 453)	448 – 469	Summit Coal
Gray Sand	469 – 471	Base Fort Scott
Sdy. Shale	471 – 501	
Very laminated Sand	501 - 502	Top - Squirrel Sandstone
Sandy Lime	502 - 503	
Slightly lamin. Sand	503 – 504	
Sandy Lime	504 – 505	
Solid Sand	505 – 506.5	
Shale	506.5 – 507	
Slightly lamin. Sand	507 – 507.5	
Sandy Shale	507.5 - 509.5	
Solid Sand	509.5 - 510.5	
Sandy Lime	510.5 - 511.5	
Solid Sand	511.5 - 515.5	
Sandy Lime	515.5 – 518	
Solid Sand	518 – 520	
Sandy Lime	520 - 521	
Solid Sand	521 – 525	
Sandy Lime	525 – 526	
Laminated Sand	526 – 527	
Sandy Shale	527 – 528.5	
Sandy Lime	528.5 – 530	
Solid Sand	530 – 533	
Sandy Lime	533 – 534	
Sandy Shale	534 – 535	
Slightly laminated Sand	535 - 536.5	

Sandy Lime	536.5 – 538	
Solid Sand	538 – 539	
Lime and Shells	539 – 541	
Sand lamin. w/ Sandy Lime	541 – 542	
Lime and Shells	542 – 543	
Solid Sand	543 - 544.5	
Sandy Lime and Shells	544.5 – 547.5	
Sand and Shells	547.5 - 548.5	
Lime and Shells	548.5 – 552	
Solid Sand	552 – 553	
Lime and Shells	553 – 555.5	
Sand and Shells	555.5 – 559.5	
Lime and Shells	559.5 – 563.5	
Solid Sand	563.5 – 582.5	
Slightly laminated	582.5 - 583.5	
Shale and Shells	583.5 – 587.5	
Solid Sand	587.5 – 590.5	
Sand and Shells	590.5 - 591.5	
Solid Sand	591.5 – 593	
Lime	593 – 593.5	
Very laminated Sand	593.5 – 596	Base – Squirrel Sandstone
Shale (Slate 610 – 611)	596 – 616	Top – Verdigris
Lime	616 – 617	Ardmore Limestone
Shale (Slate 621 – 622)	617 – 650	Oakley Shale

Re: Closure Pressure

Attached is a reproduction from "Production Operations, Vol. 2" by Allen and Roberts describing the fracturing pressures in a reservoir.

The fracture propagation pressure is approximately the same as the closure pressure, although slightly higher. This difference is less significant in low pressure reservoirs such as the ones in the Cherokee Basin, consequently, they are considered to be the same. The fracture propagation pressure is the same as the instantaneous shut-in pressure (ISIP) experienced upon cessation of a hydraulic fracture treatment. The ISIP from a fracture procedure is the surface pressure measurement. Bottom-hole ISIP must be calculated by adding the surface ISIP and the product of the depth to mid-perforations (feet) and the pressure gradient of the fluid in the wellbore (psi/foot). For fresh water the fluid gradient is 0.434 psi/foot. Since the fluid in fracture operations is more dense than fresh water most engineers estimate the bottom-hole ISIP with a higher gradient. The state of Oklahoma uses a gradient of 0.50 psi/foot.

Utilizing ISIP's experienced at Belton, and a fresh water gradient of 0.434, the calculated bottom-hole ISIPs are:

WELL	DEPTH TO MID-PERF	ISIP (Surface)	ICID (D. C.)
R32	626	The state of the s	ISIP (Perfs)
R32	585	400	672
R31		350	604
	600	400	660
R31	552	350	
R47	620	325	640
AD20	536		594
AD20		400	633
	582.5	400	653
AD9-2	610	400	665
AD9-2	507	400	
AD16-2			620
102	544	400	636

The fracture propagation pressure is the pressure in which the aperture of the existing fractures can begin to be opened. An increase in injection rate is noted at this point on injection step-rate tests. At injection pressures at, or slightly above, the ISIP, the fractures in the immediate vicinity of the wellbore (inches) may be affected but not into the reservoir significantly. In actual injection operations of a waterflood at ISIP, fractures wouldn't be created beyond the region adjacent to the wellbore because of; 1) fluid leak-off into the formation, 2) the injection of a low viscosity fluid, and 3) the extremely low injection rates - far less than what is necessary to create a fracture.

minimum stress at the borehole, and must also overcome the tensile strength of the rock. This can be expressed as follows:

$$(P_i)_r = 3 \, \tilde{\sigma}_{h_2} - \tilde{\sigma}_{h_1} + S_h + P$$
 (5)

where:

(P<sub>i</sub>), = borehole pressure required to initiate vertical fracture

 $\tilde{\sigma}_{k_1} = \text{maximum principal horizontal matrix stress}$ 

 $\tilde{\sigma}_{k_2} = \text{minimum principal horizontal matrix stress}$ 

 $S_k$  = horizontal tensile strength of rock

P = formation pore pressure

Penetrating Fluid Reduces Breakdown Pressure— A penetrating fluid increases the area over which pressurized fluid contacts the formation and can reduce the pressure necessary to initiate fracturing.

Laboratory and theoretical work by Fairhurst and Haimson<sup>21</sup> provides a basis for estimation of the magnitude of reduction in openhole. Generally reduction may be on the order of 25 to 40% in openhole.

Perforation Density and Orientation—Recent laboratory work in cased hole shows that breakdown or frac initiation pressure is affected by the number and arrangement of perforations.<sup>22</sup>

The existence of casing and the arrangement of perforations have little effect on created fracture orientation, but breakdown pressure is reduced by increased number of perforations. The practice of perforating with all shots in a vertical line on one side of the casing, Figure 8-6 significantly increases

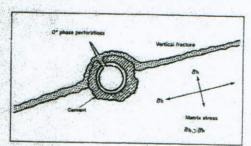


FIG. 8-6—Orientation of perforation vs. least horizontal matrix stress. Condition resulting in highest breakdown pressure:

breakdown pressure if the perforations happen to be oriented 90° to the azimuth of the vertical fracture plane. Orientation of perforations does not affect azimuth of the vertical fracture however.

## Fracture Propagation

Once the fracture has been created and invaded by pressured fluid, the stress concentration near the wellbore is reduced, and the hydraulic pressure required to extend the fracture must merely overcome the component of the undisturbed stress field normal to the plane of the fracture.

Measuring Propagation Pressure and Frac Gradient—The fracture propagation pressure (and frac gradient) can be obtained during the fracing operation by recording the wellhead pressure immediately after the pumps are shut down following injection into the fracture (Figure 8-7). Since the frac gradient is increased by increased pore pressure, this measurement should be made before the pore pressure is significantly raised by the injected frac fluid.

Wellhead instantaneous shut-in pressure, corrected to the hole bottom by adding the hydrostatic pressure of the wellbore fluid column, is the fracture propagation pressure. Fracture gradient is the fracture propagation pressure divided by the formation depth.

Measuring Rock Matrix Stress-The minimum horizontal rock matrix stress is then:

 $\tilde{\sigma}_{k_i}$  = propagation pressure – pore pressure

This stress is of particular interest because it is the stress which propping agents must withstand in order to hold the fracture open. In actual practice pore pressure can be equated to static reservoir pressure provided fracture propagation pressure is measured before significant frac fluid is injected to raise the pore pressure level near the wellbore.

It should be noted that proppant in the critical area near the wellbore is subjected to more stress than that further away due to lower pore pressure near the wellbore in the producing process, Figure 8-8. This effect may be significant at high drawdown pressures.

## Fracture Orientation

Fracture Propagates Perpendicular to Smallest Stress-Rocks fracture in a plane perpendicular to Belton Unit, Cass County, Missouri

Re: Injection Volumes

Injection volumes are determined by using analogy from previous squirrel sandstone water floods that contain similar reservoir characteristics. In the case of the Belton Unit we plan to inject 1 barrel of water for every 1 net foot of oil bearing sandstone. (assuming this rate does not exceed the maximum approved injection pressure) Depending on the duration and impact of the surrounding wells some injection wells may ultimately inject 3 barrels of water for every 1 net foot of oil bearing sandstone.

Due to the permeability variance of the reservoir we typically will not exceed 15' of perforations per injection well.

Example;

Year 1

15' perforations x 1 bbl/ft = 15 BPD injection rate

Year 2

15' perforations x 2 bbls/ft = 30 BPD injection rate

Year 3

15' perforations x 3 bbls/ft = 45 BPD injection rate

We typically do not exceed 3 bbls/ft injection rate, which is why we are requesting only 50 BPD rate.

## INSTRUCTIONS

In the grid below, place the descriptions of area of review wells (1/2 mile radius around well) of public record that penetrate the proposed injection zone. Complete the following: lease name, well number, location, owner, depth in feet, type of well (Oil = O, Gas = G, Water = W, Injection = I, Strat Test = S, Unknown = U, Other specify), date spudded, date completed, and construction of the well. Give a brief but accurate description of the well's construction including all plugging and/or completion of information, detailing the cement, casing, and subsurface casing information.

	Belton Unit	Belton Unit	Belton Unit	Belton Unit	Belton Unit	Belton Unit	Belton Unit	Belton Unit	Belton Unit	LEASE
	R-9	R-8	R-7	R-6	R-5	R-4	R-3	R-2	R-1	WELL NO.
SEC. 16 T. 46 N.R. 33W	ROM (E)	ROM (E)(	571 FROM (S) SEC LINE 2011 FROM (E) SEC LINE SEC. 16 T. 46 N.R. 33W	171 FROM (N)(S) SEC LINE 2890 FROM (E) SEC LINE SEC. 16 T. 46 N.R. 33W	168 FROM(N)S) SEC LINE 240 6-ROM (E)(N)SEC LINE SEC. 16 T. 46 N.R. 33W	2013 FROM (E) (W) SEC LINE 2013 FROM (E) (W) SEC LINE SEC. 16 T. 46 N.R. 33W	SEC. 16 T. 46 N.R. 33W	1484 FROM (N)S) SEC LINE 1024 FROM (E) (2) SEC LINE SEC. 16 T. 46 N.R. 33W	569 FROM (1) (S) SEC LINE 2412 FROM (E) (2) SEC LINE SEC, 16 T. 46 N.R. 33W	LEASE WELL LOCATION
	K.R.E.D	K.R.E.D	K.R.E.D	K.R.E.D	K.R.E.D	K.R.E.D	K.R.E.D	K.R.E.D	K.R.E.D.	OWNER
	651'	655'	646'	608'	639'	680'	665'	600'	619'	DEPTH
	0	0	0	0	0	0	0	0	0	TYPE
	05/03/2000	05/05/2000	05/01/2000	04/27/2000	04/23/2000	03/02/2000	02/29/2000	06/04/1999	04/08/1999	DATE SPUDDED
	05/05/2000	05/08/2000	05/02/2000	04/28/2000	04/25/2000	03/07/2000	03/02/0200	06/10/1999	04/13/1999	DATE COMPLETED
	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	CONSTRUCTION

In the grid below, place the descriptions of area of review wells (1/2 mile radius around well) of public record that penetrate the proposed injection zone. Complete the following: lease name, well number, location, owner, depth in feet, type of well (Oil = O, Gas = G, Water = W, Injection = I, Strat Test = S, Unknown = U, Other - specify), date spudded, date completed, and construction of the well. Give a brief but accurate description of the well's construction including all plugging and/or

completion of	WELL	COMPLETION OF INTO THE CONTROL OWNER DEPTH TYPE CONTROL	OWNER	DEPTH	TYPE	DATE	DATE	CONSTRUCTION
Belton Unit	NO.	1930 FROM (E) WSEC LINE	K.R.E.D.	627'	0	05/15/2000	05/16/2000	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
Belton Unit	R-11	T. 46 ROM(N(S)	K.R.E.D	626'	0	05/10/2000	05/12/2000	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
Belton Unit	R-12	FROM (E) SEC LINE	K.R.E.D	642'	0	05/16/2000	05/18/2000	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
Belton Unit	R-13	HUGFROM (N)(S) SEC LINE  143 FROM (E)(M) SEC LINE  SEC. 16 T. 46 N.R. 33W	K.R.E.D	620'	0	05/22/2000	05/24/2000	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
Belton Unit	R-14	174 FROM (WS) SEC LINE 3334 FROM (E) (W) SEC LINE SEC. 16 T 46 N.R. 33W	K.R.E.D	637'	0	09/17/2001	09/19/2001	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
Belton Unit	R-15	573 FROM (6) (8) SEC LINE R-15 5335 FROM (E) (M) SEC LINE SEC. 16 T. 46 N.R. 33W	K.R.E.D	621'	0	12/15/2000	12/20/2000	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
Belton Unit	R-16		K.R.E.D	652.5'	0	10/13/2003	10/15/2003	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
Belton Unit	R-17		K.R.E.D	686'	0	01/29/2004	01/30/2004	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
Belton Unit	R-18	ASID FROM (NS) SEC LINE (M) SEC LINE SEC. 16 T. 46 N.R. 33W	K.R.E.D	914.5'	0	01/07/2004	01/09/2004	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump

INSTRUCTIONS

In the grid below, place the descriptions of area of review wells (1/2 mile radius around well) of public record that penetrate the proposed injection zone. Complete In the grid below, place the descriptions of area of review wells (1/2 mile radius around well) of public record that penetrate the proposed injection zone. Complete the following: lease name, well number, location, owner, depth in feet, type of well (Oil = O, Gas = G, Water = W, Injection = I, Strat Test = S, Unknown = U, Other the following: lease name, well number, location, owner, depth in feet, type of well (Oil = O, Gas = G, Water = W, Injection = I, Strat Test = S, Unknown = U, Other the following: lease name, well number, location, owner, depth in feet, type of well (Oil = O, Gas = G, Water = W, Injection = I, Strat Test = S, Unknown = U, Other the following: lease name, well number, location, owner, depth in feet, type of well (Oil = O, Gas = G, Water = W, Injection = I, Strat Test = S, Unknown = U, Other the following: lease name, well number, location, owner, depth in feet, type of well (Oil = O, Gas = G, Water = W, Injection = I, Strat Test = S, Unknown = U, Other the following: lease name, well number, location, owner, depth in feet, type of well (Oil = O, Gas = G, Water = W, Injection = I, Strat Test = S, Unknown = U, Other the following: lease name, well number, location, owner, depth in feet, type of well (Oil = O, Gas = G, Water = W, Injection = I, Strat Test = S, Unknown = U, Other the following: lease name, well number, location = I, Strat Test = S, Unknown = U, Other the following: lease name, location = I, Strat Test = S, Unknown = U, Other the following: lease name, location = I, Strat Test = S, Unknown = I, Strat Test = I, Strat Test

4 1/2" casing cemented to surface
08/31/2000
V/R
NA
で)ア
N/A
01/16/2008
01/22/2008
02/13/2004
COMPLETED

In the grid below, place the descriptions of area of review wells (1/2 mile radius around well) of public record that penetrate the proposed injection zone. Complete the following: lease name, well number, location, owner, depth in feet, type of well (Oil = O, Gas = G, Water = W, Injection = I, Strat Test = S, Unknown = U, Other - specify), date spudded, date completed, and construction of the well. Give a brief but accurate description of the well's construction including all plugging and/or completion of information, detailing the cement, casing, and subsurface casing information. INSTRUCTIONS

						SEC. 16 T. 46 N.R. 33W		
4 1/2" casing cemented to surface	01/15/2004	01/13/2004	-	647.5'	K.R.E.D	ROM (EW)		Belton Unit
4 1/2" casing cemented to surface	02/13/2004	02/12/2004	_	641.5'	K.R.E.D	RW-8 SEC. 16 T.46 N.R. 33W		Belton Unit
Plugged 1017-7117-Squeezed	02/11/2004	02/10/2004	Plugged	638'	K.R.E.D	374 FROM())(S) SEC LINE 10 SEC LINE 3115 FROM (E) SEC LINE SEC. 16 T. 46 N.R. 33W		Belton Unit
Squeezed	C	U	Plugged	571'	K.R.E.D		C-18	Belton Unit
	04/14/2001	04/16/2001	8	891'	K.R.E.D	WSW-12522 FROM (EW) SEC LINE WSW-15522 FROM (EW) SEC LINE SEC. 16 T. 46 N.R. 33W		Belton Unit
Plugged 6/27/12-Spilered	C	<	Physica	644'	K.R.E.D	367 FROM (S) SEC LINE 1-6 218 FROM (E) SEC LINE SEC. 16 T. 46 N.R. 33W		Belton Unit
4 1/2" casing cemented to surface	C	C	_	637'	K.R.E.D	790 <b>314</b> SEC.	RI-5	Belton Unit
4 1/2" casing cemented to surface	08/29/2000	08/25/2000	-	641'	K.R.E.D	(0 10 16	RI-4	Belton Unit
4 1/2" casing cemented to surface	C	<u></u>	-	635'	K.R.E.D.	0	RI-3	Belton Unit
CONSTRUCTION	COMPLETED	SPUDDED	TYPE	DEPTH	OWNER	LOCATION D.	WELL NO.	LEASE
		TOTTI GUICIT.	C Casilly ii	upsuilaci	casing, and s	completion of information, detailing the certifit, casing, and substitute casing information.	of infor	completion

In the grid below, place the descriptions of area of review wells (1/2 mile radius around well) of public record that penetrate the proposed injection zone. Complete the following: lease name, well number, location, owner, depth in feet, type of well (Oil = O, Gas = G, Water = W, Injection = I, Strat Test = S, Unknown = U, Other - specify), date spudded, date completed, and construction of the well. Give a brief but accurate description of the well's construction including all plugging and/or completion of information, detailing the cement, casing, and subsurface casing information.

	Belton Unit	Belton Unit	Belton Unit	Belton Unit	Belton Unit	Belton Unit	Belton Unit	Belton Unit	Belton Unit	LEASE
	AD-3	AD-2	AD-1	RW-19	RW-16	RW-15	RW-13	RW-11	RW-10	WELL NO.
SEC. 9 T. 46 N.R. 33W	3806FROM	FROM (NO) FROM (E)(W) T. 46	220 FROM (NS) SEC LINE  2420 FROM (E) W) SEC LINE  SEC. 9 T. 46 N.R. 33W	35-10 FROM (N/S) SEC LINE RW-19 855 FROM (B/M) SEC LINE SEC. 16 T. 46 N.R. 33W	RW-16 SEC. 16 T. 46 N.R. 33W	#190 FROM (N) SEC LINE RW-15 16 FROM (B) (W) SEC LINE SEC. 16 T. 46 N.R. 33W	RW-13 163-2 FROM (E) SEC LINE SEC: 16 T. 46 N.R. 33W	### FROM (B)(W) SEC LINE RW-11 8343 FROM (B)(W) SEC LINE SEC 16 T. 46 N.R. 33W	RW-10 FROM (E) SEC LINE SEC. 16 T. 46 N.R. 33W	LEASE WELL LOCATION
	K.R.E.D	K.R.E.D	K.R.E.D	K.R.E.D	K.R.E.D	K.R.E.D	K.R.E.D	K.R.E.D	K.R.E.D.	OWNER
	637'	657'	615'	661'	660'	660'	697'	652'	678'	DEPTH
	0	0	0	-	_	_	-	-	-	TYPE
	08/31/1987	12/06/2007	12/03/2007	12/08/2008	12/02/2008	11/26/2008	02/06/2004	02/04/2004	02/02/2004	SPUDDED
	C	12/10/2007	01/04/2008	Z/P	N/A	K/N	02/09/2004	02/06/2004	02/03/2004	COMPLETED
	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	4 1/2" casing cemented to surface	4 1/2" casing cemented to surface	4 1/2" casing cemented to surface	4 1/2" casing cemented to surface	4 1/2" casing cemented to surface	4 1/2" casing cemented to surface	CONSTRUCTION

In the grid below, place the descriptions of area of review wells (1/2 mile radius around well) of public record that penetrate the proposed injection zone. Complete the following: lease name, well number, location, owner, depth in feet, type of well (Oil = O, Gas = G, Water = W, Injection = I, Strat Test = S, Unknown = U, Other - specify), date spudded, date completed, and construction of the well. Give a brief but accurate description of the well's construction including all plugging and/or completion of information, detailing the cement, casing, and subsurface casing information.

COMPLETED  87 07/16/1987 2  87 06/25/1987 2  887 06/25/1987 2  08 02/19/2008 2  007 12/14/2007 2  987 05/27/1999 2  987 07/21/1987 2  1487	2 3/8" tubing 3/4" roos and insert pump	02/26/2008	01/23/2008	0	710'	K.R.E.D	360 FROM (E)(V) SEC LINE SEC. 9 T. 46 N.R. 33W	AD-12	Belton Unit	
COMPLETED  87 07/16/1987 2  87 06/25/1987 2  87 06/25/1987 2  08 02/19/2008 2  007 12/14/2007 2  987 1987 1987  1987 07/21/1987	4 1/2" casing cemented to surface						FROM (N) SEC LINE			
COMPLETED  87 07/16/1987  87 06/25/1987  08 02/19/2008  09 05/27/1999  987 07/21/1987	4 1/2" casing cemented to surface Squeezed cement into formation to surface on 03/19/2012	4841 \	4891	Plugged	665'		621 FROM (N)SySEC LINE 4785 FROM (E) SEC LINE SEC. 9 T.46 N.R. 33W	AD-11	Belton Unit	
COMPLETED  87 07/16/1987  87 06/25/1987  887 06/25/1987  08 02/19/2008  12/14/2007  12/14/2007  1999  1999  1987	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	07/21/1987	05/25/1987	0	659'	K.R.E.D	662 FROM (NX)SEC LINE 423 FROM (E) WYSEC LINE SEC. 9 T. 46 N.R. 33W	AD-10	Belton Unit	
COMPLETED  87 07/16/1987  87 06/25/1987  08 02/19/2008  09 05/27/1999	4 1/2" casing cemented to surface Squeezed cement into formation to surface on 04/04/2012	£86	08/25/1987	Plugged	662'	K.R.E.D	FROM (N) (N) (FROM (E) (N)	AD-9	Belton Unit	
COMPLETED  87 07/16/1987  87 06/25/1987  08 02/19/2008  08 12/14/2007	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	05/27/1999	05/14/1999	0	622'	K.R.E.D	ROM (N)	AD-8	Belton Unit	
COMPLETED  87 07/16/1987  87 06/25/1987  08 02/19/2008	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	12/14/2007	12/12/2007	0	630'	K.R.E.D	2987 FROM (N(S)) BEC LINE 2987 FROM (E(W)) SEC LINE SEC. 9 T. 46 N.R. 33W	AD-7	Belton Unit	
COMPLETED  87 07/16/1987  87 06/25/1987	2 3/8" tubing 3/4" rods and insert pump	02/19/2008	01/31/2008	0	708'	K.R.E.D	FROM (E)	AD-6	Belton Unit	
COMPLETED  87 07/16/1987	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	06/25/1987	06/21/1987	0	679'	K.R.E.D	220 FROM (N) SEC LINE  116 FROM (E) SEC LINE  SEC. 9 T. 46 NR. 33W	AD-5	Belton Unit	
COMPLETED	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	07/16/1987	07/14/1987	0	666'	K.R.E.D.	220_ FROM (N) SEC LINE 4255 FROM (E) SEC LINE SEC. 9 T. 46 NR. 33W	4	Belton Unit	
DATE	CONSTRUCTION	DATE COMPLETED	DATE SPUDDED	TYPE	DEPTH	OWNER	LOCATION	WELL NO.	LEASE	

In the grid below, place the descriptions of area of review wells (1/2 mile radius around well) of public record that penetrate the proposed injection zone. Complete the following: lease name, well number, location, owner, depth in feet, type of well (Oil = O, Gas = G, Water = W, Injection = I, Strat Test = S, Unknown = U, Other the following: lease name, well number, location, owner, depth in feet, type of well (Oil = O, Gas = G, Water = W, Injection = I, Strat Test = S, Unknown = U, Other the following: lease name, well number, location, owner, depth in feet, type of well (Oil = O, Gas = G, Water = W, Injection = I, Strat Test = S, Unknown = U, Other the following: lease name, well number, location, owner, depth in feet, type of well (Oil = O, Gas = G, Water = W, Injection = I, Strat Test = S, Unknown = U, Other the following: lease name, well number, location, owner, depth in feet, type of well (Oil = O, Gas = G, Water = W, Injection = I, Strat Test = S, Unknown = U, Other the following: lease name, well number, location, owner, depth in feet, type of well (Oil = O, Gas = G, Water = W, Injection = I, Strat Test = S, Unknown = U, Other the following: lease name, well number, location of the well strategy and location in feet, type of well of the well strategy and location of the well strategy and location in feet, type of well and location in feet, type of well strategy and location in feet, type of well

completion of i	nforma well No.	Completion of information, detailing the cement, casing, and subsurface casing information.  LEASE NO. LOCATION OWNER DEPTH TYPE SPUBDED  OWNER DEPTH TYPE SPUBDED	owner	DEPTH	TYPE	DATE SPUDDED	DATE	Construction  Construction  Construction
Belton Unit	AD-13	AD-13 2420 FROM (B)(W) SEC LINE AD-13 (SEC 9 T 46 NR 33W)	K.R.E.D.	700'	Plugged	12/21/2007	て/ア	Cemented from bottom to
Belton Unit	AD-14	F F	K.R.E.D	609'	0	04/21/1999	05/13/1999	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
Belton Unit	AD-15	FROM (N) SEC LINE  THE FROM (E) SEC LINE  THE FROM (E) SEC LINE  SEC 9 T 46 NR 33W	K.R.E.D	617'	0	11/13/1989	11/14/1989	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
Belton Unit	AD-16	FRO	K.R.E.D	666'	Plugged	07/23/1987	07/23/1987 U-1987	
Belton Unit	AD-17	FR	K.R.E.D	647'	0	2	C	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
Belton Unit	AD-18	SEC. 9 T. 46 N.R. 33W	K.R.E.D	676.5'	0	01/02/2008	02/26/2008	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
Belton Unit	AD-21	FROM (N)(S) FROM (E)(W)	K.R.E.D	656'	0	09/11/2003	09/12/2003	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
Belton Unit	AD-22	<b>539</b> FRO <b>1212</b> FRO SEC. 9	K.R.E.D	650'	0	06/13/1999	06/18/1999	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
Belton Unit	AD-23	FROM (R) SEC LINE SEC. 9 T. 46 N.R. 33W	K.R.E.D	644'	0	09/09/2003	09/11/2003	2 3/8" tubing 3/4" rods and insert pump

## INSTRUCTIONS

In the grid below, place the descriptions of area of review wells (1/2 mile radius around well) of public record that penetrate the proposed injection zone. Complete the following: lease name, well number, location, owner, depth in feet, type of well (Oil = O, Gas = G, Water = W, Injection = I, Strat Test = S, Unknown = U, Other specify), date spudded, date completed, and construction of the well. Give a brief but accurate description of the well's construction including all plugging and/or

completion of information, detailing the cement, casing, and subsurface casing information. Belton Unit Belton Unit Belton Unit Belton Unit **Belton Unit** Belton Unit Belton Unit Belton Unit Belton Unit ADI-18 ADI-25 ADI-19 AD-29 AD-28 **ADI-26** ADI-24 AD-24 WELL NO. **ADI-27** SEC. 9 T. 46 N.R. 33W NOTA FROM (N) SEC LINE NOTATION (E) W SEC LINE SEC. 9 T. 46 N.R. 33W 1334 FROM (N) SEC LINE 2 145 FROM (E) (W) SEC LINE 4195 FROM (E) (W) BEC LINE PROM (E) SEC LINE 3621 FROM (E)( SEC LINE HON FROM (E) (W) SEC LINE 300 FROM (B)(W) SEC LINE 1330 FROM (N) SEC LINE FROM (R) SEC LINE FROM (N)(S) SEC LINE SEC. 9 540 FROM (N) SEC LINE SEC. 9 SEC. 9 354 FROM (N)( SEC LINE 151 FROM (N) SEC LINE T. 46 \_T. 46 LOCATION \_ T. 46 T. 46 N.R. 33W T. 46 N.R. 33W T. 46 N.R. 33W T. 46 N.R. 33W N.R. 33W N.R. 33W N.R. 33W N.R. 33W N.R. 33W K.R.E.D K.R.E.D K.R.E.D K.R.E.D K.R.E.D K.R.E.D K.R.E.D K.R.E.D K.R.E.D DEPTH 672.5 651.5' 654.5 651.5 674.1' 650.5 625 629 662 TYPE 0 0 0 07/08/1999 SPUDDED 06/18/1999 12/27/2007 01/04/2008 09/12/2003 09/16/2003 09/17/2003 10/07/2003 10/09/2003 DATE 07/07/1999 07/14/1999 02/06/2008 09/19/2003 09/15/2003 09/17/2003 10/08/2003 10/10/2003 04/16/2008 4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump 4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump 4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump 4 4 4 1/2" casing cemented to surface 4 1/2" casing cemented to surface CONSTRUCTION

In the grid below, place the descriptions of area of review wells (1/2 mile radius around well) of public record that penetrate the proposed injection zone. Complete the following: lease name, well number, location, owner, depth in feet, type of well (Oil = O, Gas = G, Water = W, Injection = I, Strat Test = S, Unknown = U, Other specify), date spudded, date completed, and construction of the well. Give a brief but accurate description of the well's construction including all plugging and/or

completion of information, detailing the cement, casing, and subsurface casing information.

Belton Unit		Belton Unit	Belton Unit	Belton Unit	Belton Unit	Belton Unit	Belton Unit	Belton Unit	Belton Unit	LEASE
ADI-40		ADI-39	ADI-38	ADI-37	ADI-34	ADI-33	ADI-32	ADI-31	ADI-30	WELL NO.
		441 FRO	SEC. S	1140 FROM (N)(S) SEC LINE 1200 FROM (E)(M) SEC LINE SEC. 9 T. 46 N.R. 33W		881 <b>445</b> SEC. 9	871 FROM (N) SEC LINE 1034 FROM (E) SEC LINE SEC. 9 T. 46 N.R. 33W	ADI-31 860 FROM (N) SEC LINE ADI-31 SEC. 9 T. 46 N.R. 33W	ADI-30 FROM (NS) SEC LINE FROM (E)(W) SEC LINE SEC. 9 T. 46 N.R. 33W	LEASE WELL LOCATION OWNE
	X R FI	K.R.E.D	K.R.E.D	K.R.E.D	K.R.E.D	K.R.E.D	K.R.E.D	K.R.E.D	K.R.E.D.	OWNER
	664'	631'	668.9'	618.2	663	642'	649'	633'	627.7'	DEPTH
	_	_	-	-	_	-	_	_	_	TYPE
(	<u></u>	C	12/17/2007	12/13/2007	<	<	C	05/27/1999	12/19/2007	DATE SPUDDED
	<u>_</u>	2	04/16/2008	04/16/2008	C	C	C	06/04/1999	04/16/2008	DATE
	4 1/2" casing cemented to surface	4 1/2" casing cemented to surface	4 1/2" casing cemented to surface	4 1/2" casing cemented to surface	4 1/2" casing cemented to surface	4 1/2" casing cemented to surface	CONSTRUCTION			

In the grid below, place the descriptions of area of review wells (1/2 mile radius around well) of public record that penetrate the proposed injection zone. Complete the following: lease name, well number, location, owner, depth in feet, type of well (Oil = O, Gas = G, Water = W, Injection = I, Strat Test = S, Unknown = U, Other - specify), date spudded, date completed, and construction of the well. Give a brief but accurate description of the well's construction including all plugging and/or INSTRUCTIONS

completion of information, detailing the cement, casing, and subsurface casing information.

Squeezed cement into formation to surface	U	Plugged	600 est   F	K.R.E.D	138 FROM (N)(S) SEC LINE 1-8 FROM (E)(W) SEC LINE SEC. 16 T. 46 N.R. 33W	ОН-8	Belton Unit	
Squeezed cement into formation to surface	C	Plugged	600' est P	K.R.E.D	753 FROM (N) SEC LINE  2100 FROM (E) SEC LINE  SEC. 16 T. 46 N.R. 33W	ОН-7	Belton Unit	
Squeezed cement into formation to surface	<u> </u>	Plugged	600' est P	K.R.E.D	919 FROM (N)(S) SEC LINE -6 571 6-ROM (E)(M) SEC LINE SEC. 16 T. 46 N.R. 33W	0Н-6	Belton Unit	
4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	C	°	600' est	K.R.E.D	833 FROM (S) SEC LINE  5 2124 FROM (E) SEC LINE  SEC. 16 T 46 N.R. 33W	ОН-5	Belton Unit	
4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	C	0	600' est	K.R.E.D	38 18 SEC. 1	OH-4	Belton Unit	
4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	<u></u>	· c	600' est	K.R.E.D	V7.0900 044	OH-3	Belton Unit	
4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	<	0	600' est	K.R.E.D	11 0	ОН-2	Belton Unit	
4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	C	°	600' est	K.R.E.D	3700FF	OH-1	Belton Unit	
4 1/2" casing cemented to surface	c	- C	600' est	K.R.E.D.		ADI-41	Belton Unit	
COMPLETED	ED COMPLETED	TYPE SPUDDED	DEPTH 1	OWNER		WELL	LEASE	

## INSTRUCTIONS

In the grid below, place the descriptions of area of review wells (1/2 mile radius around well) of public record that penetrate the proposed injection zone. Complete the following: lease name, well number, location, owner, depth in feet, type of well (Oil = O, Gas = G, Water = W, Injection = I, Strat Test = S, Unknown = U, Other - specify), date spudded, date completed, and construction of the well. Give a brief but accurate description of the well's construction including all plugging and/or completion of information, detailing the cement, casing, and subsurface casing information.

SEC. 16  UK-1 1300 FRR  UK-1 1300 FRR  SEC. 16  UK-2 1910 FRR  UK-2 16	SEC. 16 T. 1300 FROM 1310 FROM 1910	SEC. 16 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SEC. 16  UK-1  UK-1  UK-1  UK-2  SEC. 16  UK-3  SEC. 16
20 2	SEC. 16 T. 46 N.R. 33W  THE FROM (E) W) SEC LINE  SEC. 16 T. 46 N.R. 33W  THE FROM (E) W) SEC LINE  SEC. 16 T. 46 N.R. 33W  THE FROM (E) W) SEC LINE  SEC. 16 T. 46 N.R. 33W  THE FROM (E) W) SEC LINE  SEC. 16 T. 46 N.R. 33W  THE FROM (E) W) SEC LINE  SEC. 16 T. 46 N.R. 33W  THE FROM (E) W) SEC LINE  SEC. 16 T. 46 N.R. 33W  THE FROM (E) W) SEC LINE  SEC. 16 T. 46 N.R. 33W	C. 16 T. 46 N.R. 33W CO. 16 T. 46 N.R. 33W	C. 16 T. 46 N.R. 33W CO. 16 T. 46 N.R. 33W
K.R.E.D	K.R.E.D		
	625' 625'	625' 625'	625' 625' 625'
	0 0 0		
·	03/22/1999	03/22/1999	03/22/1999  03/25/1999  03/30/1999
د	< < <	03/30/1999	03/30/1999
4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	2 7/8" with 1" tubing and insert pump 2 7/8" with 1" tubing and insert pump	2 7/8" with 1" tubing and insert pump 2 7/8" with 1" tubing and insert pump 4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	2 7/8" with 1" tubing and insert pump  2 7/8" with 1" tubing and insert pump  4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump  4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
	CB-2 <b>3DUG</b> FROM (E) (W) SEC LINE K.R.E.D 625' O \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	CB-2 CB-2 CB-2 CDUGFROM (E) (W) SEC LINE K.R.E.D 625' O	CB-2 CB-2 CB-2 CDUGFROM (E) (W) SEC LINE K.R.E.D 625' O
CB-1 2787 FROM (E) SEC LINE K.R.E.D 625' O 03/22/1999 U		CB-3 <b>3571</b> FROM (E) SEC LINE K.R.E.D 625' O 03/25/1999 03/30/1999 SEC. 16 T. 46 N.R. 33W	CB-3 SEC. 16 T. 46 N.R. 33W  CB-4 SEC. 16 T. 46 N.R. 33W

In the grid below, place the descriptions of area of review wells (1/2 mile radius around well) of public record that penetrate the proposed injection zone. Complete the following: lease name, well number, location, owner, depth in feet, type of well (Oil = O, Gas = G, Water = W, Injection = I, Strat Test = S, Unknown = U, Other - specify), date spudded, date completed, and construction of the well. Give a brief but accurate description of the well's construction including all plugging and/or INSTRUCTIONS

completion of information, detailing the cement, casing, and subsurface casing information.

LEASE	NO. LOCATION  NO. LOCATION  NO. LOCATION
Clark-Berry	CBI-2 SASS FROM (E)(W) SEC LINE
	SEC.16 T.46 N.R. 33W
	FROM (N)(S) SEC LINE
	FROM (E)(W) SEC LINE
	SECT
	FR
	FROM (E)(W) SEC LINE
	SECT
	FROM (N)(S) SEC LINE
	FROM (E)(W) SEC LINE
	SECT
	FROM (N)(S) SEC LINE
	FROM (E)(W) SEC LINE
	SECT
	FROM (N)(S) SEC LINE
	FROM (E)(W) SEC LINE
	SECT
	FROM (N)(S) SEC LINE
	FROM (E)(W) SEC LINE
	SECT.
	FROM (N)(S) SEC LINE
	FROM (E)(W) SEC LINE
	SECT
	FROM (N)(S) SEC LINE
	FROM (E)(W) SEC LINE
	SECT

In the grid below, place the descriptions of area of review wells (1/2 mile radius around well) of public record that penetrate the proposed injection zone. Complete the following: lease name, well number, location, owner, depth in feet, type of well (Oil = O, Gas = G, Water = W, Injection = I, Strat Test = S, Unknown = U, Other - specify), date spudded, date completed, and construction of the well. Give a brief but accurate description of the well's construction including all plugging and/or completion of information, detailing the cement, casing, and subsurface casing information. INSTRUCTIONS

733.5' of 4 1/2" casing cemented to surface 04/30/2012
03/21/2012 05/10/2012
05/25/2012
04/27/2012
04/30/2012
05/10/2012
-
Comptet
COMPLETED

## INSTRUCTIONS

In the grid below, place the descriptions of area of review wells (1/2 mile radius around well) of public record that penetrate the proposed injection zone. Complete the following: lease name, well number, location, owner, depth in feet, type of well (Oil = O, Gas = G, Water = W, Injection = I, Strat Test = S, Unknown = U, Other - specify), date spudded, date completed, and construction of the well. Give a brief but accurate description of the well's construction including all plugging and/or completion of information, detailing the cement, casing, and subsurface casing information.

		Belton Unit	Belton Unit	Belton Unit	Belton Unit	Belton Unit	Belton Unit	Belton Unit	Belton Unit	LEASE
		R-51	R-49	R-48	R-47	R-44	R-43	R-42	R-41	WELL NO.
SEC. T. N.R.	FROM (E)(W) SEC LINE	108 & FROM (N)&) SEC LINE R-51 2516 FROM (E)(W) SEC LINE SEC. 16 T. 46 N.R. 33W	R-49 2114 FROM (D)(S) SEC LINE R-49 2114 FROM (D)(W) SEC LINE SEC. 16 T. 46 N.R. 33W	7.146 FROM (N) SEC LINE R-48 3.587 FROM (E) (W) SEC LINE SEC. 16 T. 46 N.R. 33W	SEC. 16 T. 46 N.R. 33W	3300 FROM (N)(S))SEC LINE R-44 25 70 FROM (D)(W) SEC LINE SEC. 16 T. 46 N.R. 33W	R-43 3-111 FROM (N)(E) BEC LINE R-43 3-111 FROM (E)(W) SEC LINE SEC. 16 T. 46 N.R. 33W	3245 FROM (N)(6) SEC LINE R-42 3310 FROM (E)(W) SEC LINE SEC. 16 T. 46 N.R. 33W	R-41 3 740 FROM (D)(V) SEC LINE SEC. 16 T. 46 N.R. 33W	LEASE NO. LOCATION OWNER DEPTH TYPE SPUDDED
		K.R.E.D.	K.R.E.D.	K.R.E.D	K.R.E.D.	K.R.E.D	K.R.E.D	K.R.E.D	K.R.E.D	OWNER
		730'	730'	770'	760'	760'	770'	980'	643'	DEPTH
		0	0	0	0	0	0	0	0	TYPE
		06/08/2012	06/30/2012	07/18/2012	05/08/2012	05/11/2012	05/09/2012	06/06/2012	06/12/2012	DATE SPUDDED
		~		Complete	06/01/2012	05/31/2012	05/30/2012	<del>-</del>	Not WH	DATE
		700' of 4 1/2" casing cemented to surface	718' of 2 7/8" casing cemented to surface		728' of 4 1/2" casing cemented to surrace	727' of 4 1/2" casing cemented to surface	740' of 4 1/2" casing cemented to surrace	687' of 4 1/2" casing cemented to surface	of 4 1/2" casing cemented to surface	CONSTRUCTION

## INSTRUCTIONS

In the grid below, place the descriptions of area of review wells (1/2 mile radius around well) of public record that penetrate the proposed injection zone. Complete the following: lease name, well number, location, owner, depth in feet, type of well (Oil = O, Gas = G, Water = W, Injection = I, Strat Test = S, Unknown = U, Other - specify), date spudded, date completed, and construction of the well. Give a brief but accurate description of the well's construction including all plugging and/or completion of information, detailing the cement, casing, and subsurface casing information.

Belton Unit	Belton Unit	Belton Unit	Belton Unit	Belton Unit	Belton Unit	Belton Unit	Belton Unit	Belton Unit	LEASE
RW-39	RW-38	RW-37	RW-27	RW-26	RW-25	RW-24	RW-23	RW-22	WELL NO.
\$117 FROM (N) (S) SEC LINE RW-39 7 TO FROM (E) W) SEC LINE SEC. 16 T. 46 N.R. 33W	FRW-38 5741 FROM (N)(0)SEC LINE FRW-38 5741 FROM (E)(M) SEC LINE SEC. 16 T. 46 N.R. 33W	SING FROM (N) SPSEC LINE RW-37 3208 FROM (E) (W) SEC LINE SEC. 16 T. 46 N.R. 33W	RW-27 FROM (N)(S) SEC LINE RW-27 FROM (F)(W) SEC LINE SEC. 16 T. 46 N.R. 33W	SEC. 16 T. 46 N.R. 33W	5119 FROM (N)S)BEC LINE RW-25 829 FROM (M) SEC LINE SEC. 16 T. 46 N.R. 33W		FIZZ FROM (N)(S))SEC LINE RW-23 H33 FROM (D)(W) SEC LINE SEC. 16 T. 46 N.R. 33W	THA FROM (N)(6) BEC LINE  RW-22 1087 FROM (E)M) SEC LINE  SEC. 16 T. 46 N.R. 33W	LEASE WELL LOCATION OWNER DEPTH TYPE SPUDDED
K.R.E.D.	K.R.E.D.	K.R.E.D.	K.R.E.D.	K.R.E.D.	K.R.E.D.	K.R.E.D.	K.R.E.D.	K.R.E.D.	OWNER
720'	730'	720'	730'	730'	750'	730'	730'	730'	DEPTH
_	-	_	-	_	_	-	-	_	TYPE
05/16/2012	07/03/2012	05/14/2012	05/29/2012	05/23/2012	05/18/2012	05/30/2012	05/22/2012	06/01/2012	
07/09/2012	Not	07/09/2012	07/17/2012	07/17/2012	07/06/2012	Not	07/06/2012	Complete	DATE
686' of 2 7/8" casing cemented to surface	687' of 2 7/8" casing cemented to surface	695' of 2 7/8" casing cemented to surface	682' of 2 7/8" casing cemented to surface	692' of 2 7/8" casing cemented to surface	711' of 2 7/8" casing cemented to surface	565' of 2 7/8" casing cemented to surface	691' of 2 7/8" casing cemented to surface	696' of 2 7/8" casing cemented to surface	CONSTRUCTION

## INSTRUCTIONS

In the grid below, place the descriptions of area of review wells (1/2 mile radius around well) of public record that penetrate the proposed injection zone. Complete the following: lease name, well number, location, owner, depth in feet, type of well (Oil = O, Gas = G, Water = W, Injection = I, Strat Test = S, Unknown = U, Other - specify), date spudded, date completed, and construction of the well. Give a brief but accurate description of the well's construction including all plugging and/or completion of information, detailing the cement, casing, and subsurface casing information.

	Color Parco					SEC. 16 T. 46 N.R. 33W		
	The late	06/30/2012	·—	730'	K.R.E.D.	RW-50 PYFROM (SEC LINE		Belton Unit
659' of 2 7/8" casing cemented to surface	4					FROM (N) SEC LINE		
						SEC. 16 T. 46 N.R. 33W		
	07/17/2012	06/13/2012	_	730'	K.R.E.D.	RW-49 FROM ()(W) SEC LINE		Belton Unit
675' of 2 7/8" casing cemented to surface						FROM (N) SEC LINE		
						SEC. 16 T. 46 N.R. 33W		
	<	07/13/2012	_	730'	K.R.E.D.	RW-48 THE FROM (W) SEC LINE	1900	Belton Unit
681' of 2 7/8" casing cemented to surface	•					4748 FROM (N) SEC LINE		
						SEC. 16 T. 46 N.R. 33W		
		07/13/2012	_	730'	K.R.E.D.	RW-47 27 3 FROM (EXW) SEC LINE		Belton Unit
689' of 2 7/8" casing cemented to surface						FROM (N) SEC LINE		
						SEC. 16 T. 46 N.R. 33W		
		07/13/2012	-	730'	K.R.E.D.	RW-46 3184 FROM OWN SEC LINE		Belton Unit
687' of 2 7/8" casing cemented to surface						HANSFROM (N) SEC LINE	-	
						SEC. 16 T. 46 N.R. 33W		
		07/11/2012	_	730'	K.R.E.D.	RW-45 3133 FROM (6(W) SEC LINE		Belton Unit
684' of 2 7/8" casing cemented to surface						FROM (N) SEC LINE		
	Carabita					SEC. 16 T. 46 N.R. 33W		
	2011	06/28/2012	_	730'	K.R.E.D.	RW-44 183 FROM (E)W) SEC LINE		Belton Unit
690' of 2 7/8" casing cemented to surface	207					FROM (N)(S) SEC LINE		
	•					SEC. 16 T. 46 N.R. 33W		
	07/17/2012	06/14/2012	_	700'	K.R.E.D.	RW-43 \$135 FROM (B)(W) SEC LINE		Belton Unit
672' of 2 7/8" casing cemented to surface						H TO ROM (N) (DEC LINE		
	amper					SEC. 16 T. 46 N.R. 33W		
	100	07/03/2012	-	730'	K.R.E.D.	RW-48 THOM (E)W) SEC LINE		Belton Unit
687' of 2 7/8" casing cemented to surface	34					5105 FROM (N) SEC LINE		
CONSTRUCTION	COMPLETED	SPUDDED	TYPE	DEPTH	OWNER	WELL LOCATION	z &	LEASE
	7		C casing i	upauliac	casilly, allu s	completion of information, detailing the centerit, cashig, and substribute cashig	or int	completio

## INSTRUCTIONS

the following: lease name, well number, location, owner, depth in feet, type of well (Oil = O, Gas = G, Water = W, Injection = I, Strat Test = S, Unknown = U, Other In the grid below, place the descriptions of area of review wells (1/2 mile radius around well) of public record that penetrate the proposed injection zone. Complete specify), date spudded, date completed, and construction of the well. Give a brief but accurate description of the well's construction including all plugging and/or

completion of information, detailing the cement, casing, and subsurface casing information. Belton Unit **Belton Unit** AD16-2 D& FROM (B)(W) SEC LINE AD11-2 534 FROM (E)(W) SEC LINE AD 9-2 FROM (N) SEC LINE AD-20 AD-32 AD-27 AD-26 AD-31 7347-FROM (D)(W) SEC LINE WELL NO. AD-33 SEC. 9 SEC. 9 HOS FROM (D)(M) SEC LINE HH FROM (E)(W) SEC LINE 19 bo FROM (B)(W) SEC LINE 2346 FROM (N) SEC LINE SA FROM (B)(W) SEC LINE SEC. 9 455 FROM (N) SEC LINE 485 FROM (N)S SEC LINE FROM (N) SEC LINE H 76FROM (E)(M) SEC LINE 435 FROM (N) SEC LINE SEC. 9 T. 46 N.R. 33W SAUFROM (N) SEC LINE 59 FROM (N) SEC LINE T.46 N.R. 33W T. 46 N.R. 33W T. 46 N.R. 33W LOCATION T. 46 N.R. 33W K.R.E.D K.R.E.D K.R.E.D K.R.E.D K.R.E.D K.R.E.D K.R.E.D K.R.E.D K.R.E.D OWNER DEPTH 750 760' 760 701 760' 770 760 760' 760' TYPE 0 0 0 0 0 0 0 0 0 03/29/2012 03/12/2012 04/12/2012 03/28/2012 03/30/2012 SPUDDED 04/03/2012 04/06/2012 03/30/2012 04/05/2012 204 Complete DATE 05/07/2012 06/13/2012 04/27/2012 04/27/2012 07/04/2012 06/13/2012 06/11/2012 06/28/2012 737' of 4 1/2" casing cemented to surface 741' of 4 1/2" casing cemented to surface 688' of 2 7/8" casing cemented to surface 741' of 4 1/2" casing cemented to surface 745' of 4 1/2" casing cemented to surface 740' of 4 1/2" casing cemented to surface 739' of 4 1/2" casing cemented to surface 741' of 4 1/2" casing cemented to surface 745' of 4 1/2" casing cemented to surface CONSTRUCTION

## INSTRUCTIONS

completion of information, detailing the cement, casing, and subsurface casing information. In the grid below, place the descriptions of area of review wells (1/2 mile radius around well) of public record that penetrate the proposed injection zone. Complete the following: lease name, well number, location, owner, depth in feet, type of well (Oil = O, Gas = G, Water = W, Injection = I, Strat Test = S, Unknown = U, Other - specify), date spudded, date completed, and construction of the well. Give a brief but accurate description of the well's construction including all plugging and/or

					(			
LEASE	NO.	LOCATION	OWNER	DEPTH	TYPE	SPUDDED	COMPLETED	CONSTRUCTION
		FROM (N) SEC LINE					いらっ	713' of 4 1/2" casing cemented to surface
Belton Unit	AD 3-1	AD 3-2 FROM (E)(W) SEC LINE	K.R.E.D.	770'	0	06/15/2012	19 100	2
		SEC. 9 T. 46 N.R. 33W					Charles	
		FROM (N)(6						724' of 4 1/2" casing cemented to surface
Belton Unit	AD 4-2	INS FROM (E)(W) SEC LINE	K.R.E.D.	770'	0	06/22/2012		g
		SEC. 9 T. 46 N.R. 33W						
		FROM (N) SEC LINE						721' of 4 1/2" casing cemented to surface
Belton Unit	AD 5-2	FROM (5)(W) SEC LINE	K.R.E.D.	770'	0	06/20/2012		g
		SEC. 9 T. 46 N.R. 33W					4	
	-11	FROM (N)(O) SEC LINE						686' of 4 1/2" casing cemented to surface
Belton Unit	AD-34	AD-34 FROM (B)(W) SEC LINE	K.R.E.D	700'	0	05/04/2012	07/09/2012	
		SEC. 9 T. 46 N.R. 33W						
		FROM (N) SEC LINE					701	686' of 2 7/8" casing cemented to surface
Belton Unit	ADI-42	(m) 000 min	K.R.E.D	730'	_	07/19/2012	ついて	
		SEC. 9 T. 46 N.R. 33W					mapic	
		FROM (N)(S) SEC LINE						
		FROM (E)(W) SEC LINE						
		SECTN.R						
		FROM (N)(S) SEC LINE						
		FROM (E)(W) SEC LINE						
		SECTN.R						
		FROM (N)(S) SEC LINE		2				
		FROM (E)(W) SEC LINE						
		SECTN.R						
		FROM (N)(S) SEC LINE						
		FROM (E)(W) SEC LINE						
	U	SEC. T. N.R.						
MO 780-1136 (02-11)								

## AFFIDAVIT OF PUBLICATION

(Space above for recording information)

orce Exploration & Development, ELC, 9393 W 17 St., Ste. 500, Overland Park, KS.

STATE OF MISSOURI COUNTY OF CASS

55.

I, Janis Anslinger, being duly sworn according that I am the Classified Ad Manager of the Cass Comissourian, a weekly newspaper of general cincounty of Cass, State of Missouri, where newspaper has been admitted to the Post Official class matter in the City of Harrisonville, Missouri publication; which newspaper has been published consecutively for a period of three years and bonafide subscribers, voluntarily engaged as sepaid or agreed to pay a stated price for a subdefinite period of time, and that such newspaper with the provisions of Section 493.050, Revised Missouri 2000, and Section 59.310. Revised Missouri 2000. The affixed notice appeared in said the following consecutive issues:

 1\* Insertion: Vol
 32 No
 37 . 29 day of 2

 2\* Insertion: Vol
 No
 day of 3

 3\* Insertion: Vol
 No
 day of 4

 4\* Insertion: Vol
 No
 day of 5

 5\* Insertion: Vol
 No
 day of 6

66210. has applied for 32 injection well permits to be drilled to an aelocimate depth of \$50 feet.

Salter for will be injected into the Squirfel Sandstone formation for) Enhanced Oil Recovery Projethe following locations.

88W-73 (5.095) from 5 line/3,1991 from E line, Section 15, Touchip 45N, Range 33W
88W-73 3,842 from 5 line/3,1991 from E line, Section 15, Swinship 46N, Range 33W
88W-73 3,856 from 5 line/3,795 from E line, Section 15 ownship 46N, Range 33W
88W-75 3,847 from 5 line/2,763 from E line, Section 16 ownship 46N, Range 33W
88W-75 3,473 from 5 line/3,1981 from E line, Section 16 ownship 46N, Range 33W
88W-77 3,473 from 5 line/3,1981 from E line, Section 16 ownship 46N, Range 33W
88W-77 3,473 from 5 line/3,1981 from E line, Section 16 ownship 46N, Range 33W
88W-79 3,468 from 5 line/3,1981 from E line, Section 16 ownship 46N, Range 33W
88W-80 3,113 from 5 line/3,1971 from E line, Section 16 ownship 46N, Range 33W
88W-80 3,113 from 5 line/3,1971 from E line, Section 16 ownship 46N, Range 33W
88W-80 3,113 from 5 line/3,1971 from E line, Section 16 ownship 46N, Range 33W
88W-80 3,115 from 5 line/3,1971 from E line, Section 16 ownship 46N, Range 33W
88W-80 3,115 from 5 line/3,1981 line/5 line/5

RRW-8D 3,113' from S line/3,182' from E line, Section 16 overship 46N, Range 33W RRW-81 3,106' from S line/3,776' from E line, Section 16 overship 46N, Range 33W RRW-82 3,116' from S line/2,778' from E line, Section 16 overship 46N, Range 33W RRW-83 3,107' from S line/2,778' from E line, Section 16 overship 46N, Range 33W RRW-83 3,107' from S line/2,105' from E line, Section 9 overship 46N, Range 33W RADI-3 2,615' from S line/2,105' from E line, Section 9 overship 46N, Range 33W RADI-3 2,616' from S line/1,692' from E line, Section 9 overship 46N, Range 33W RADI-3 2,616' from S line/1,255' from E line, Section 9 overship 46N, Range 33W RADI-4 2,628' from S line/1,255' from E line, Section 9 overship 46N, Range 33W RADI-4 2,628' from S line/1,255' from E line, Section 9 overship 46N, Range 33W RADI-9 2,183' from S line/1,255' from E line, Section 9 overship 46N, Range 33W RADI-10 2,195' from S line/1,155' from E line, Section 9 overship 46N, Range 33W RADI-10 2,195' from S line/1,690' from E line, Section 1 overship 46N, Range 33W RADI-10 2,196' from S line/1,690' from E line, Section 1 overship 46N, Range 33W RADI-10 2,206' from S line/1,690' from E line, Section 5 overship 46N, Range 33W RADI-10 2,206' from S line/1,690' from E line, Section 5 overship 46N, Range 33W RADI-10 7,105' from S line/1,700' from E line, Section 7 overship 46N, Range 33W RADI-10 7,105' from S line/1,100' from E line, Section 9 Township 46N, Range 33W RADI-17 1,750' from S line/1,100' from E line, Section 9 Township 46N, Range 33W RADI-17 1,750' from S line/1,100' from E line, Section 9 Township 46N, Range 33W RADI-13 1,748' from S line/1,700' from E line, Section 9 Township 46N, Range 33W RADI-13 1,748' from S line/1,700' from E line, Section 9 Township 46N, Range 33W RADI-23 1,748' from S line/1,700' from E line, Section 9 Township 46N, Range 33W RADI-23 1,748' from S line/2,700' from E line, Section 9 Township 46N, Range 33W RADI-23 1,748' from S line/2,700' from E line, Section 9 Township 46N, Range 33W RADI-23 1,748' from S line/2

Written comments or requests for additional information regarding such wells should be directed within fifteen (15) days of this stotice to the address beion.

Salling Salar

State Geologist Missouri Oil & Gas Council P.O. 80x 250 Rolls, MO 55401

Subscribed and swom to before me on this 39

June 2012

day of

Jamis Anslinger, Classified Ad Manage

JULIE M. HICKS
Notary Public, Notary Seal
State of Missouri
Cass County
Commission # 09727108
Commission Expires June 12, 2013

## MISSOURI Mechanical Integrity Test



Test Date: 2/1/2013 Mo Oil & Gas Council Operator: Kansas Resources Exploration & Development, LLC Address: 9393 W. 110th St. Ste. 500 Overland Park, Kansas 66210 Contact: Brad Kramer Phone: 913-669-2253 RW-83 Belton Unit Well No .: -Lease: 20,992 Cass Permit No.: County: **TEST INFORMATION** Radioactive Tracer Survey Temperature Survey Pressure X Run #1 Run #2 Run #3 Run #4 11:10 Start Time: 11:40 End Time: 30 min Length of Test: 500 # Initial Pressure (PSI): 500 # Ending Pressure (PSI): Pressure Change: 0 # Fluid Used For Test (water, nitrogen, CO2, etc.): Air Perforations: Well Not Perfed Yet X.433 =Comments: \_ Pressured Casing up to 500 The bottom of the tested zone is shut in with Rubber Plug at a depth of 682 In signing the form below, it is certified that the above indicated well was tested for mechanical integrity on the test date shown above. Signature Contractor Title Operator, Contact Person or Approved Agent FOR INTERNAL USE ONLY Computer Update: Results were: Satisfactory \* Not Satisfactory \_\_\_\_ Remarks: State Agent: SAUER Witnessed: Yes

!! FILE WITH PERMIT!!